Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

HW#25H: Angle Addition Postulate

Honors Geometry

Due Date: Wednesday October 14th

**Failure to show all work and write in complete sentences will result in LaSalle!**

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| 1. Use the diagram below to find the measure of *a°, b°, c°* and *d°.* | 2.Given *m*∠*QST* = 135°, find *m*∠*QSR.* |
| 3. Find ∠*KLN* and ∠*MLN.* | 4. Find ∠*EFH* and ∠*HFG.* |
| 5. *BD* bisects ∠*ABC.* Find *m*∠*ABC.* | 6. Draw an angle that fits the description:  a. acute  b. obtuse  c. straight  d. right |
| 7. Describe the difference between setting two angles equal and when you would add two angles. When would you use one method, and when would you use the other? | 8. If mA = 90 find x.  x  67  A |

